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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/840,011	05/06/2004	Joseph A. Carbonaro	CARBONARO 1	9634

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EXAMINER

AU, GARY

ART UNIT	PAPER NUMBER
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2681

DATE MAILED: 12/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/840,011	Applicant(s) CARBONARO, JOSEPH A.	
	Examiner Gary Au	Art Unit 2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent Application 2003/0157929 Janssen et al. (Janssen).

As to claim 1, Janssen teaches a communication system (figure 1, [0027]) that enables remote land line station devices (cordless handsets 220 – figure 1, [0031]) to make and receive calls over a wireless network (wireless communications link 215 – figure 1, [0031]) using a wireless phone (cellular headset 115 – figure 1, [0027]), such as a cell phone, in series between said wireless network and said remote land line station devices, said system comprising: a plurality of wireless interfaces (base unit 100 and cordless handsets 220 – figure 1, [0031]); a cell phone base unit (cordless base unit 100 – figure 1, [0027]) coupled to a first one of said wireless interfaces (figure 1, [0027]); said cell phone base unit is adapted to be coupled signal-wise to a cell phone ([0027]); at least one remote land line station device coupled to another one of said wireless interfaces ([0031]); and apparatus including said wireless interfaces responsive

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to the receipt of an incoming call from said wireless network for extending said incoming call via said cell phone to said at least one remote land line station device ([0045]).

As to claim 2, Janssen teaches an apparatus that monitors said incoming call (microcontroller 330 – figure 3, [0045]); and apparatus that detects an on-hook signal at said at least one remote land line station device for terminating said call between said remote land line station device and said wireless network via said cell phone and said wireless interfaces ([0045]).

As to claim 3, Janssen teaches an apparatus (microcontroller 330 – figure 3, [0042]) responsive to the initiation of an outgoing call (by said at least one remote land line station device for extending said outgoing call via said wireless interfaces and said cell phone and said wireless network to a called station ([0042])).

As to claim 4, Janssen teaches said at least one remote land line station device comprises any one of any combination of: land line phones ([0002]), cordless phones ([0031]), and computers ([0036]).

As to claim 5, Janssen teaches an apparatus that detects an off-hook state of a calling one of said remote land line station devices ([0042]); apparatus including said wireless interfaces that transmit said off-hook signal from said calling remote land line station device to said cell phone; apparatus that activates said cell phone in response to

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the receipt of said on-hook signal ([0043]); apparatus including said wireless interface associated with said calling remote land line station device for receiving a called station number from said calling remote land line station device ([0043]); apparatus including said wireless interface associated with said calling remote land line station device for transmitting said called station number to said cell phone ([0043]); said cell phone being responsive to the receipt of said called station number for initiating the establishment of a call via said wireless network to said called station ([0043]); apparatus for detecting an on-hook state of said called station or of said calling remote land line station device for transmitting a call end signal to said cell phone ([0044]); and said cell phone being responsive to said receipt of said call end signal for ending said called station ([0044]).

As to claim 6, Janssen teaches an apparatus including said cell phone for detecting the receipt of an incoming call from said wireless network ([0045]); apparatus including said cell phone responsive to said detecting for applying a ringing control signal to the wireless interface associated with said cell phone ([0045]); apparatus for transmitting said ringing control signal to the wireless interfaces associated with said remote land line station devices ([0045]); apparatus responsive to the receipt of said ringing control signal for applying ringing current to said remote land line station devices ([0045]); apparatus for generating an off-hook signal at a responsive one of remote land line station devices ([0045]); said off-hook signal is transmitted to said cell phone via said wireless interfaces ([0045]); said cell phone being responsive to the receipt of said off-hook signal for terminating the generation of said ring control signal ([0045]); said

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wireless interfaces being responsive to the termination of said ringing control signal for termination ringing at said remote land line station devices ([0045]); said cell phone being effective to monitor said incoming call ([0045]); apparatus for detecting an on-hook state of said called station or of said responsive remote land line station device for transmitting a call end signal to said cell phone ([0045]); and said cell phone being responsive to said receipt of said call end signal for ending said incoming call ([0045]).

As to claim 7, Janssen teaches the cell phone is adapted to serve calls between said wireless network and said remote land line devices only when said cell phone is connected signal-wise to said base unit to connect said cell phone with said first wireless interface via said base unit ([0045]).

As to claim 8, Janssen teaches in a system having a first wireless interface (cordless base unit 100 – figure 1, [0027]) adapted to be coupled to a cell phone (cellular handset 115 – figure 1, [0027]), said system further having a second wireless interface adapted to be coupled to a remote land line station device (cordless handsets 220 – figure 1, [0031]); said system further comprising: apparatus for receiving indicia of a call request in either said first or said second wireless interfaces (microcontroller 330 – figure 3, [0042] and [0045]); and apparatus extending said call request to the other of said first or second wireless interfaces to extend a call between said cell-phone and said remote land line device via said first and second wireless interfaces ([0042] and [0045]).

As to claim 9, Janssen teaches the apparatus for receiving is operable to receive said indicia with said first wireless interface from said cell phone and to extend said call via said second wireless interface to said remote land line station device ([0045]); and said apparatus for receiving is also operable to receive said indicia within said second wireless interface from said remote land line station device and to extend said call via said first wireless interface to said cell phone ([0045]).

As to claim 10, Janssen teaches receiving indicia of a call request in either said first or said second wireless interfaces ([0045]); and extending said call request to the other of said first or second wireless interfaces to extend a call between said remote land line station device and to extend said call via said first wireless interface to said cell phone ([0045]).

As to claim 11, Janssen teaches said step of receiving receives said indicia within said first wireless interface from said cell phone and extends said call via said second wireless interface to said remote land line station device ([0045]); and said step of extending receives said indicia within said second wireless interface from said land line station device and extends said call via said first wireless interface to said cell phone ([0045]).

As to claim 12, Janssen teaches a method of operating a communication system (figure 1, [0027]) adapted to enable remote land line station devices (cordless handsets 220 – figure 1, [0031]) to make and receive calls over a wireless network (wireless communications link 215 – figure 1, [0031]) using a wireless phone (cellular headset 115 – figure 1, [0027]), such as a cell phone, in series between said wireless network and said remote land line station devices, said system comprising: a plurality of wireless interfaces (base unit 100 and cordless handsets 220 – figure 1, [0031]); a cell phone base unit (cordless base unit 100 – figure 1, [0027]) coupled to a first one of said wireless interfaces (figure 1, [0027]); said cell phone base unit is adapted to be coupled signal-wise to a cell phone ([0027]); at least one remote land line station device coupled to another one of said wireless interfaces ([0031]); said method comprising the step of: operating apparatus within said wireless interfaces responsive to the receipt of an incoming call from said wireless network for extending said incoming call via said cell phone and said wireless interfaces to said at least one remote land line station device ([0045]).

As to claim 13, Janssen teaches monitoring said incoming call ([0045]); and operating said cell phone for detecting an on-hook signal generated by said at least one remote land line station device for terminating said call between said remote land line station device and via said wireless network via said cell phone ([0045]).

As to claim 14, Janssen teaches detecting the initiation of an outgoing call by said at least one remote land line station device for extending said outgoing call via said wireless interfaces and said cell phone and via said wireless network to a called station ([0042]).

As to claim 15, Janssen teaches said at least one remote land line station device comprises any one of any combination of: land line phones ([0002]), cordless phones ([0031]), and computers ([0036]).

As to claim 16, Janssen teaches detecting an off-hook state of a calling one of said remote land line station devices ([0042]); transmitting said off-hook signal from said calling remote land line station device to said cell phone ([0042]); activating said cell phone in response to the receipt of said off-hook signal ([0042]); transmitting a called station number from said calling remote land line station device to said wireless interface associated with said calling remote land line station device ([0043]); transmitting said called station number from said wireless interface associated with said calling remote land line station device to said cell phone ([0043]); and operating said cell phone responsive to the receipt of said called station number of initiation the establishment of a call via said wireless network to said called station ([0043]).

As to claim 17, Janssen teaches detecting an on-hook state of said called station or said calling remote land line station device and transmitting a call end signal to said

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cell phone ([0044]); said cell phone being responsive to said receipt of said call end signal for ending said call to said called station ([0044]).

As to claim 18, Janssen teaches the system exchanges the following signals between said calling remote land line station device and said cell phone during the serving of a call initiated by said calling remote land line station device: an off-hook signal generated by said calling remote land line station device is transmitted via said wireless interfaces to said cell phone ([0042]); said calling remote land line station device dials the number of the called station to which said call is to be extended ([0043]); said dialed number is transmitted to said cell phone which transmitted said dialed number to said wireless network for the establishment of a connection to said called station ([0043]); said cell phone monitors said call until an on-hook signal is detected at said calling remote land line station device and/or at said called station ([0044]); said cell phone is responsive to the detection of said off-hook signal to terminate the call between said calling remote land line station device and said called station ([0042], [0043], and [0044]).

As to claim 19, Janssen teaches the system exchanges the following signals between said cell phone and said calling remote land line station devices during the serving of a call received by said cell phone from said wireless network in response to receipt of a call from said wireless network said cell phone transmits a ringing control signal via said wireless interfaces of said remote land line station devices ([0045]); said

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ringing control signal activates a ring generator in the wireless interface associated with each of said remote land line station devices to apply ringing current to of said remote land line station devices ([0045]); the generation of an off-hook signal at a responding one of said remote land line station devices transmits a signal to the wireless interface associated with said cell phone to terminate the generation of said ringing control signal by said cell phone ([0045]); said cell phone terminates the generation of said ringing control signal to terminate ringing at said remote land line station devices ([0045]); and cell phone establishes a voice path between said cell phone and said responding one of said remote land line station devices ([0045]); said cell phone monitors said call and terminates said call upon the generation of an on-hook signal by said responding one of said remote land line station devices ([0045]).

As to claim 20, Janssen teaches the step of operating said cell phone is effective to serve calls between said wireless network and said remote land line station devices only when said cell phone is connected signal-wise to said base unit to connect said cell phone with said first wireless interface via said base unit (figure 1 – [0027]).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent Application Publication No. 2004/0235518 (Beyette et al.) teaches a method and system that combine the feature of wireless telephone service and landline

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telephones through a wired telephone network. US Patent Application Publication No. 2005/0085262 (Underwood) teaches a cellular telephone can be integrated in a base unit, and thereby used in addition to, or in place of a land line. US Patent No. 6,633,636 (McConnell et al.) teaches an interface assembly for integrating operation of a private telecommunications system such as a PBX with a wireless intelligent network such as the PCS network operated by Sprint PCS.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gary Au whose telephone number is (571) 272-2822. The examiner can normally be reached on 8am-5pm Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on (571) 272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GA


NICK CORSARO
PRIMARY EXAMINER